

AMENDMENTS TO THE CLAIMS

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-92. (Cancelled)

93. (Currently Amended) The process as defined in claim 107, wherein the administered composition comprises a daily dosage of about 15 mg of said 6-methoxy-2,3-benzoxazolinone.

94. (Currently Amended) The process as defined in claim 107, wherein said 6-methoxy-2,3-benzoxazolinone is obtained from a leafy and/or immature plant part of one or more monocotyledonous plants selected from the group consisting of corn, wheat, barley, rye, oats, rice, sorghum, millet, bamboo, Job's Tears, barley-like grasses, and wild grasses, by growing the plant to an immature life history stage and harvesting the plant.

95. (Currently Amended) The process as defined in claim 94, wherein said leafy and/or immature harvested plant part is dried.

96. (Currently Amended) The process as defined in claim 95, wherein said leafy and/or immature harvested plant part is dried at a temperature in the range of between about 40°C and about 45°C.

97. (Currently Amended) The process as defined in claim 95, wherein said leafy and/or immature harvested plant part contains phenols in total amounts greater than 17.0 mg/gm (dry weight).

98. (Currently Amended) The process as defined in claim 95, wherein said leafy and/or immature harvested plant part contains combined amounts of 4-hydroxycinnamic acid and 4-hydroxy-3-methoxycinnamic acid totaling no more than 1.5 mg/gm (dry weight).

99. (Currently Amended) The process as defined in claim 94, wherein said leafy and/or immature harvested plant part is obtained from an immature corn plant, *Zea mays*.

100. (Currently Amended) The process as defined in claim 99, wherein said immature corn plant has been grown to a height between about 45 centimeters and about 122 centimeters.

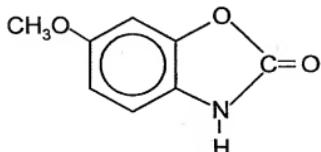
101. (Currently Amended) The process as defined in claim 99, wherein said immature corn plant has been grown to a height that does not exceed between about 30 centimeters and about 45 centimeters.

102. (Currently Amended) The process as defined in claim 99, wherein said immature corn plant has been grown for less than ten weeks after planting.

103. (Previously Presented) The process as defined in claim 107, wherein said composition is administered in a manner selected from the group consisting of: (1) oral administration; (2) intranasal administration; (3) transmucosal administration; (4) parenteral injection; (5) implant for sustained release; and (6) transdermal patch.

104-106. (Cancelled)

107. (Currently Amended) A process for promoting weight loss in a mammal by the administration of an amount of a composition comprising 6-methoxy-2,3-benzoxazolinone defined as:



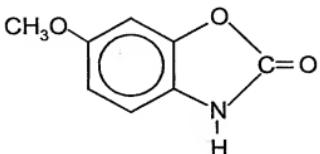
or a pharmaceutically acceptable salt salts thereof sufficient to promote weight loss in said mammal, wherein said administered composition comprises a daily dosage of between about 5 mcg and about 60 mg of said 6-methoxy-2,3-benzoxazolinone,

wherein said composition is obtained from at least one of (i) a leafy and/or immature plant part of one or more monocotyledonous plants or (ii) chemical synthesis.

108. (Currently Amended) The process as defined in claim 107, wherein at least a portion of said 6-methoxy-2,3-benzoxazolinone is obtained by chemical synthesis.

109. (New) The process as defined in claim 107, wherein said composition is in an isolated and/or extracted and/or purified form.

110. (New) A process for promoting weight loss and/or treating at least one of fibromyalgia, sleep disorder, mood disorder, hyperglycemia, arthritis, or substance addiction in a human by the administration of an amount of a composition comprising 6-methoxy-2,3-benzoxazolinone defined as:



or a pharmaceutically acceptable salt thereof sufficient to promote weight loss and/or treat at least one of fibromyalgia, sleep disorder, mood disorder, hyperglycemia, arthritis, or substance addiction in said human,

wherein said administered composition comprises a daily dosage of between about 5 mcg and about 60 mg of said 6-methoxy-2,3-benzoxazolinone,

wherein said composition is isolated and/or extracted and/or purified from at least one of (i) a leafy and/or immature plant part of one or more monocotyledonous plants or (ii) chemical synthesis.

111. (New) The process as defined in claim 110, wherein said composition is isolated and/or extracted and/or purified from the leafy and/or immature plant part of one or more monocotyledonous plants selected from the group consisting of corn, wheat, barley, rye, oats, rice, sorghum, millet, bamboo, Job's Tears, barley-like grasses, and wild grasses.

112. (New) The process as defined in claim 110, wherein said composition is isolated and/or extracted and/or purified from an immature corn plant, *Zea mays*.

113. (New) A process as defined in claim 112, wherein said immature corn plant has been grown to a height that does not exceed between about 30 centimeters and about 45 centimeters.